

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0004944

Owner: Ford Motor Company
Address: 3 Parklane Blvd.Suite 950 Dearborn, MI 48126

Continuing Authority: Same as above
Address: Same as above

Facility Name: Ford- St. Louis Assembly Plant
Address: 6250 North Lindbergh, Hazelwood, MO, 63042

Legal Description: S1/2, Sec. 32, T47N, R6E, St. Louis County

Receiving Stream: Cold Water Creek (U)
First Classified Stream and ID: COLD Water Creek (C) (1706)
USGS Basin & Sub-watershed No.: (10300200-180002)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

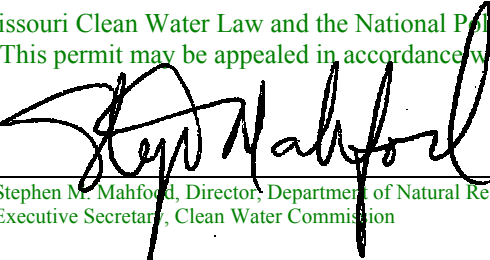
FACILITY DESCRIPTION

Outfall #001 - Industry/Storm Water Runoff, hot water heater blowdown, boiler blowdown, and fire pump test water-SIC #3711
Non-contact cooling water/storm water runoff.
Actual Flow is 70,000 gallons per day.

(Continue)

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

December 10, 2004
Effective Date


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

November 4, 2008
Expiration Date
MO 780-0041 (10-93)

Mohamad Alhalabi, P.E., Director, St. Louis Regional Office

Facility Description

Outfall #002 - Industry/Storm Water Runoff-SIC #3711

Non-Contact Cooling Water/storm water runoff and air handler humidifier blowdown.
Average flow is approximately 70,000 gallons per day.

Outfall #003 - Industry/Storm Water Runoff- SIC #3711

Storm water runoff.

Actual flow is 4,500 gallons per day.

Outfall #004 - Industry/Storm Water Runoff- SIC #3711

Storm water runoff.

Actual flow is 4,500 gallons per day.

Outfall #005 - Storm Water/Retention Basin-SIC #3711

Design flow is 32 CFS.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 5	
					PERMIT NUMBER MO-0004944	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 & #002</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Temperature	°F	90°		90°	once/month	grab
Biochemical Oxygen Demand	mg/L	45		30	once/month	**
Total Suspended Solids	mg/L	100		50	once/month	**
Oil and Grease	mg/L	15		10	once/month	grab
pH - Units	SU	***		***	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED MONTHLY; THE FIRST REPORT IS DUE January 28, 2005						
Copper, Total Recoverable	mg/L	****		****	once/quarter*****	grab
Zinc, Total Recoverable	mg/L	****		****	once/quarter*****	grab
Chemical Oxygen Demand	mg/L	*			once/quarter*****	grab
Total Organic Carbon	mg/L	*			once/quarter*****	grab
Ammonia	mg/L	*			once/quarter*****	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I & III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

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<u>Outfalls #003 - #005</u>						
Flow	MGD	*		*	once/quarter*****	24 hr estimate.
Biochemical Oxygen Demand	mg/L	45		30	once/quarter*****	grab
Total Suspended Solids	mg/L	45		30	once/quarter*****	grab
Oil and Grease	mg/L	15		10	once/quarter*****	grab
pH - Units	SU	***		***	once/quarter*****	grab
Copper, Total Recoverable	mg/L	*		*	once/quarter*****	grab
Zinc, Total Recoverable	mg/L	*		*	once/quarter*****	grab
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MO 780-0010 (8/91)

A. EFFLUENT LIMITATION AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** A composite sample made up from a minimum of four grab samples collected within a 24 hour period with a minimum of 2 hours between each grab sample.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0 - 9.5 pH units.
- **** These parameters are to be monitored due to past use or occurrence in this outfall. This permit does not authorize the discharge of these materials other than normal background concentrations and related to this industrial activity.
- ***** Sample once per quarter in the month of February, May, August, and November.

C. SPECIAL CONDITIONS

- 1- This permit may be reopened and modified, or alternatively revoked and reissued, to:
- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.

SPECIAL CONDITIONS (CONTINUED)

- (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
- (c) The level established in part A of the permit by the Director.

5. Report as no-discharge when a discharge does not occur during the report period.

6. Water Quality Standards

- (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260 .200-260.247.

